

Name: Class:

Multiply by a power of 10 with decimals: find the missing number

Write down the missing number in the following problems.

$3.85 \times \underline{\hspace{2cm}} = 385$

$7.22 \times \underline{\hspace{2cm}} = 722$

$6.15 \times \underline{\hspace{2cm}} = 61.5$

$4.44 \times \underline{\hspace{2cm}} = 44.4$

$1.12 \times \underline{\hspace{2cm}} = 112$

$9.72 \times \underline{\hspace{2cm}} = 97.2$

$0.85 \times \underline{\hspace{2cm}} = 8.5$

$0.05 \times \underline{\hspace{2cm}} = 50$

$5.92 \times \underline{\hspace{2cm}} = 592$

$\underline{\hspace{2cm}} \times 0.001 = 1.796$

$8.5 \times \underline{\hspace{2cm}} = 85$

$\underline{\hspace{2cm}} \times 100 = 5,280$

$9.849 \times \underline{\hspace{2cm}} = 9,849$

$\underline{\hspace{2cm}} \times 0.1 = 4.7$

$58,261 \times \underline{\hspace{2cm}} = 0.58261$

$13.5 \times \underline{\hspace{2cm}} = 0.0135$

$\underline{\hspace{2cm}} \times 0.001 = 0.135$

$\underline{\hspace{2cm}} \times 10 = 240.8$

$\underline{\hspace{2cm}} \times 100 = 2006$

$107.436 \times 1,000 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} \times 0.0001 = 0.016159$

$0.436 \times \underline{\hspace{2cm}} = 436$

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Multiply by a power of 10 with decimals: find the missing number

Write down the missing number in the following problems.

3.85 x _____ = 385

Let's first of all form an equation using the expression.

$3.85 \times t = 385$

Now, let's find t by dividing both sides by 3.85.

$t = \frac{385}{3.85}$ Since there are 2 decimal places, shift it 2 times to the right and multiply by 100.

$t = \frac{385}{3.85} \times 100$

$t = 100$

So, the missing number is 100.

$5.92 \times 100 = 592$

$1,796 \times 0.001 = 1.796$

$8.5 \times 10 = 85$

$52.8 \times 100 = 5,280$

$9.849 \times 1000 = 9,849$

$47 \times 0.1 = 4.7$

$58,261 \times 0.01 = 0.58261$

$13.5 \times 0.001 = 0.0135$

$135 \times 0.001 = 0.135$

$24.08 \times 10 = 240.8$

$20.06 \times 100 = 2006$

$107.436 \times 1,000 = 107,436$

$161.59 \times 0.0001 = 0.016159$

$0.436 \times 1,000 = 436$